

CZECHOSLOVAKIA

PLESEK, J; HERMANEK, S

Nuclear Research Institute, Czechoslovak Academy of
Sciences, Rez near Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communications,
No 8, August 1966, pp 3066-3067

"Synthesis and properties of magnesium and aluminum
hydride."

CZECHOSLOVAKIA

HEJMANEK, S; PLESK, J

Czechoslovak Academy of Sciences (Tschechoslowakische Akademie
der Wissenschaften), Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 1,
January 1966, pp 177-188

"Chemistry of boron hydride. Part 1: Preparation of $Hg(B_3H_6)_2$ "

PLMSE, J.

"Chain-extension of acids by five carbon atoms. III. Synthesis of triheptanoic, 13- and octadecanoic-1,18-dicarboxylic acids. In German."

p. 1661 (Collection of Czechoslovak Chemical Communications, Vol. 22, no. 4, Oct. 1957, Praha, Czechoslovakia.)

Monthly Index of East European Accessions (E-EA) 18, Vol. 7, no. 7, July 1956

PLESNER, J.; FINE, P.

"Aldol condensation reactions. 77, Reactions of various amino alcohols with solutions of alkali hydroxides. (in German.)"

p. 1596 (Collection of Czechoslovak Chemical Communications, Ser. 2, No. 1, Oct. 1957, Praha, Czechoslovakia.)

Monthly Index of East European Acquisitions (MSEA) 10, Vol. 7, no. 7, July 1958

CZECHOSLOVAKIA

HIERMANEK, S; PLEŠEK, J

Nuclear Research Institute, Czechoslovak Academy of
Sciences, Rez near Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communications,
No 5, May 1966, pp 1975-1984

"Chemistry of boranes. Part 3: Relationship between struc-
ture and chromatographic behaviour of boranes and their
addition compounds with Lewis bases."

CZECHOSLOVAKIA

HARMANEK, S; PLESKE, J; ORDOH, V

Nuclear Research Institute, Czechoslovak Academy
of Sciences, Rez near Prague (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 3, March 1966, pp 1281-1287

"Chemistry of Boranes. Part 2: Thin layer chroma-
tography of non-ionic boron compounds."

CZECHOSLOVAKIA / Organic Chemistry. Synthetic Organic
Chemistry.

G-2

Abs Jour : Ref Zhur - Khim., No 10, 1958, No 32384

accordance with the reaction type of Meerwein-Ponndorf). 2,3--
-cyclohexanobicyclo-/1,3,3/-nonanol-2-ono-9 (IV), yield 1.4%,
melting point 171 to 172° (from benzene), is produced togo-
thor with cyclohexonylcyclohexanone (III) (yield 15 g) at a
12 hour boiling of 98 g of I and 40 g of NaOH in 300 mlit of
CH₃OH and 60 g of water; semicarbazone (SG), melting point
201 to 202° (dissociates, from benzene). The structure of
IV was confirmed with countersyntheses: a/ 45 g of methylono-
bis cyclohexanone (V) are left to age (24 hours at about 20°
and 24 hours at -10°) with a solution of 20 g of KOH in 200
mlit of CH₃OH; yield of IV 62%; b/ 60 g of I is boiled 3
hours with 17.5 g of N-N'-methylonebispiperidine and the pro-
duced V is left to age with a solution of 5 g of KOH in 100
mlit of CH₃OH, yield of IV 8%. The condensation of I with
formalin in the presence of the methanol solution of KOH

Card 2/4

6

Card 3/4

PLESEK, JAROMIR

CZECHOSLOVAKIA/Organic Chemistry - Synthetic Organic
Chemistry.

G-2

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25086

Author : Munk Petr, Plesek Jaromir

Inst : -

Title : Condensation Reactions of the Aldol Type. III. 2,6-Dicyclohexylidene-Cyclohexanone-1.

Orig Pub : Chem. listy, 1957, 51, No 4, 771-773; Sb. chekhosl. khim. rabot, 1957, 22, No 5, 1691-1694

Abstract : By means of infrared spectra and chemical conversions it is shown that the oily product (I) formed on self-condensation of cyclohexanone is not 2,6-dicyclohexylidene-cyclohexanone-1 (II), but 2,6-dicyclohexenyl-cyclohexanone-1 (III). On action of HCl (gas) on a solution of I in glacial CH_3COOH there is formed, with a yield of 65.8%, the 2,6-di-(1'-chlorocyclohexyl)-cyclohexanone-1 (IV), MP 127-127.5° (from alcohol), which is identical with IV obtained with a yield of 59.3% by addition of HCl to III.

Card 1/2

PLESEK, J.

CZECHOSLOVAKIA

HANONIK, T; PLESEK, J; HANONIK, J

Institute of Nuclear Research, Czechoslovak Academy
of Sciences, Rez near Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 11, November 1966, pp 1215-1220

"Chemistry of Boranes. Part 5: Reaction between boron
trichloride and sodium aluminum hydride."

PLESEK, J.

CZECHOSLOVAKIA

PLESEK, J; HERMANEK, S

Institute of Nuclear Research, Czechoslovak Academy
of Sciences, Rez near Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communications,
No 10, October 1966, pp 3845-3858

"Chemistry of Boranes. Part 4: On preparation properties
and behavior towards Lewis bases of magnesium borohydride."

CZECHOSLOVAKIA

PLESEK, J; STIBR, B; HERMANEK, S

Nuclear Research Institute, Czechoslovak Academy
of Sciences, Prague-Rez - (for all)

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 12, December 1966, pp 4744-4745

"Chemistry of boranes. Part 6: The reaction of bis-
dialkylsulphido-dodecahydrodecaboranes with hydro-
halogens. General preparation of 6-(or 5-) halogent-
ridecahydrodecaboranes."

PLESEK, J.
Czechoslovakia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 836

Author: Pleseck, J.

Institution: None

Title: Condensation Reactions of the Aldol Type. II. Autocondensation of Cyclohexanone

Original
Periodical: Chem. listy, 1956, Vol 50, No 2, 252-257 (published in Czech); Sb. chekhosl. khim. rabot, 1956, Vol 21, No 2, 375-381 (published in German with a Russian summary)

Abstract: By setting the rate for the autocondensation of cyclopentanone in toluene in the presence of KOH equal to unity (see preceding abstract), the rate for the autocondensation of cyclohexanone (I) under the same conditions is found to be 0.6; when $n\text{-CH}_2\text{C}_6\text{H}_4\text{SO}_3\text{H}$ is present the rate is 0.18. Autocondensation of I in the presence of KOH yields 2-cyclohexenylcyclohexanone (II) (36% yield, bp $113^\circ/2$ mm) and 2,6-dicyclohexenylcyclohexanone (III) (22% yield, mp 79°), and a mixture (IV) (bp $172^\circ/2$ mm and $165^\circ/0.5$ mm) containing III, 2,6-cyclohexylidenecyclohexanone,

Card 1/2

PLESEK, J.; MUNK, P.

"Aldol condensation reactions. IV. Reactions of cyclohexanone with alcoholic solutions of alkali hydroxides."

p. 1596 (Collection of Czechoslovak Chemical Communications. Praha, Czechoslovakia.)

Monthly Index of East European Accessions (EEAI) LC. Vol. 22, no. 5, Oct. 1957

PLESEK J.

CZECHOSLOVAKIA / Organic Chemistry. Synthetic
Organic Chemistry. ©

Abstr Jour : Ref. Zhur. - Khimiya, No. 15, 1958, No. 50269

Author : Plessek, J.; Munk P.

Inst : -

Title : O-Terphenyl

Orig Pub : Chem. Listy., 1957, 51, #5, 980-982

Abstract : Upon reproduction of Rapson's work (J. Chem. Soc., 1941, 15) it was established that a crystalline 1-phenyl-2-cyclohexenyl cyclohexenyl (II) may be isolated together with an oily mixture of di-stereo-isomers from the products of reaction of 2-cyclohexenyl cyclohexanone (I) with C_2H_5MgBr . The former yields terphenyl (III) upon dehydrogenation over basic Pd/Al_2O_3 . When acidic catalyst was employed, an unsepar-

Card 1/3

Plesek, J.
Czechoslovakia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 835

Author: Plesek, J.

Institution: None

Title: Condensation Reactions of the Aldol Type. I. Autocondensation of Cyclopentanone

Original Periodical: Chem. listy, 1956, Vol 50, No 2, 246-251 (published in Czech); Sb. chekhosl. khim. rabot, 1956, Vol 21, No 2, 368-374 (published in German with a Russian summary)

Abstract: Determination of the rate of formation of H₂O from the reaction showed that the autoxidation of cyclopentanone (I) in toluene proceeds ~450 times faster when catalyzed by KOH than in the presence of *n*-CH₃C₆H₄SO₃H. When I is allowed to stand with C₂H₅ONa in alcohol (16 or 40 hours), 2-cyclopentylidenecyclopentanone (II) is produced in yields of 42 and 53%, respectively, bp 95°/1 mm; 2,5-dicyclopentylidenecyclohexanone (III) is also produced in yields of 20 and 23%, bp 83° (from CH₃OH).

Ca Card 1/2

ILIC, I.

Control of the timing mechanism of the 75-mm. H 30/42-40 submachine gun
with the 1/60 control igniter. p. 217.

VOJNO-TEHNIČKI GLASNIK. Beograd, Yugoslavia. Vol. 3, no. 11, Nov. 1955.

Monthly List of East European Acquisitions (TEAI) IC, Vol. 3, no. 1, Sept. 1955.

Incl.

PLESE, Branko

Bibliography of articles and books on the methods of teaching
geography published in Yugoslavia from 1945 to 1960. Geogr hor
7 no.4:37-46 '61.

PLESE, Branko

Bibliography of articles and books concerning the methods of teaching geography published in the territory of the People's Republic of Yugoslavia from 1945 to 1960. (To be contd.) Geogr hor 7 no.3:40-42 '61.

PLESE, B.

Development of handicraft in the People's Republic of Croatia. Geogr
glas 22:101-107 '60 (publ '61).

PLESE, Branko; BJELOVITIC, M.

News in brief from abroad. Geogr hor 9 no.3:49-54 '63.

EREMATA, E., ing.; PLESCAN, Gh., ing.

Utilization of flax and hemp fibers in the manufacture of
specially thin paper, Cel hirtie 11 no.12:409-413 D '67.

RUMANIA

CAFRIȚA, At., Major, Medical Corps; BANDILA, Tr., Lieutenant-Colonel, Medical Corps; GIURGIU, T., Lieutenant-Colonel, Medical Veterinary Corps; STRIMBEANU, I., Colonel, Medical Corps; SAFTA, T., Major, Medical Veterinary Corps; SURDULESCU, St., Lieutenant Major, Medical Corps; and PLESCA, M., Medical Corps.

"Ganglioplegics in Shock"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 84

Abstract: In a brief summary authors report their experiments in unstated number of dogs which, exposed to traumatic shock and treated with unstated ganglioplegic drugs, had life prolonged by 30 to 40% in comparison with untreated controls. The postulated mode of action is by delaying onset of irreversible shock, as by increasing blood volume and improving splanchnic circulation.

1/1

RUMANIA

GHEORGHE, H.; BERGHEMU, S., Lieutenant-Colonel, Pharmacist; PLESCA, I., Major Medical Corps; and FURUICA, Gh.

"Studies on Elimination of Radioactive Isotope Using Ion Exchange Resin in Animals Administered the Radiation Agent Orally"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 418-421

Abstract: Study of effectiveness of ion exchange resin in eliminating sodiumiodide-131 in the study of 30 rats, measuring the amount of the isotope in each of 6 organs, 2, 24, 72, and 96 hours after administration. Results were excellent, provided that the resin was already in the intestines before the radioisotope arrived. Table.

1/1

RUMANIA

CAVULEA, O., Lieutenant-Colonel, Medical Veterinary Corps; GHEORGHE, N.;
GASPAR, A.; PLESCA, I., Major, Medical Corps; BERGHEANU, S., Lieutenant-
Colonel, Pharmacist; POPESCU, Gh., Lieutenant-Colonel, Medical Corps; and
NILEA, T.

"Effect of Some Subcellular Thymus Tissue Fractions in Radiation Sickness
in Mice"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 414-417

Abstract: Study on 390 mice, including 200 thymus donors: gland tissue was
divided into mitochondria and nuclei; single administration of mitochondria
was better than repetitive administration; administration of nuclei alone
was best. 2 tables.

1/1

L 12753-63

EWT(1)/EWT(m)/BDS/ES(j) AMD/AFFTC/ASD AR/K

R/012/62/000/005/001/001

AUTHOR: Flesca, I., Capt., Medical Corps, Muresan, V., Capt. MC, and
Cayulea, O., Major, Veterinary Medical Corps

TITLE: Autologous hemapoietic marrow in treatment¹⁹ of acute radiation sickness

PERIODICAL: Revista Sanitara Militara, v. 58, n0. 5, 1962, 786-798

TEXT: Purpose of study was to determine efficiency of autologous medullary transplants, irradiated in Vivo and without association with other medications, in combatting irradiation diseases. Authors conclude that autologous hemapoietic marrow irradiated in Vivo and administered 40-44 hours after irradiation apparently does not offer protection against radiation sickness. After brief theoretical review of rationale, summarization of published data, including e.g. the 5 Yugoslav nuclear technicians involved in the Vinka accident. Authors' study: 38 dogs were irradiated 550 r in 50 min.; 1 h later, 12 to 20 ml. of bone marrow aspirated from their iliac crests, centrifuged 1500 rpm 15 min supernate decanted, 100% of Tyrode sol. added; kept at -2° C for 44 h, rewarmed to 37° C & reinjected i.v.: no difference between controls and dogs so treated, whereas marrow removed pre-irradiation did protect 80% in earlier study. Eight graphs show course of Autologous hemapoietic marrow

Card 1/2
 1 clinical & hemogram parameters in treated & controls. Eleven references:
 7 Soviet, 2 French, 2 US include USAEC report ANL 1951, 4625, 46 by Jacobsohn et al

PLESAKOV, I.B.

Mbr., All-Union Sci. Res. Inst. Geol. Oil

Prospecting, -c1948-.

"Discovery of a Tooth of Desmostylus in Kamchatka," Dok.

AN, 28, No. 4, 1940;

"Stratigraphy and Fauna of Mollusks of Neogenic Deposits
of the Region beyond the Carpathians in Ukrainian SSR.,"

ibid., 62, No. 3, 1948.

PLESA, V.

✓ The synthesis of methyl acrylate. R. Popper, V. Jusek, 4

Chem
A. Măicuț, and V. Plesă (Pharm. Inst., Cluj, Rumania).
Acad. rep. populare Romine Cluj. Studii cercetări științ.
Ser. I, Științe Mat., Fiz., Chim. și Teh. 5, No. 3-4, 60-76
1964 (French summary).—Treating lactic acid with CaCO_3
gave the Ca salt which, on vigorous agitation with PCl_5
heating 15 min. on the steam bath, and distn. (100-20°
fraction) gave MeCHClCOCl . This was esterified with
 MeOH and the ester heated 30 min. with pyridine in a Kjel-
dahl flask to give 27% $\text{ClH}_2\text{C}=\text{CHCO}_2\text{Me}$. Gary Gerard

RUMANIA/Forestry - Forest Cultivation.

K-5

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39119 K.
Author : Miasnicov, M., Plesa, I., Florescu, GH.
Inst : -
Title : Agricultural Melioration. T. 1. Protective Strips on
Plains.
Orig Pub : Inst. agron. "N. Balcescu". Bucuresti, 1956, 378 p., ill.
Abstract : No abstract.

Card 1/1

END
- 28 -

PIESA, Corneliu

"Biology of the underground littoral and continental waters" by Claude Delamare Deboutteville. Reviewed by Corneliu Pleas. Studii biol Cluj 12 no.2:363-364 '61.

*

*

PLESA, Corneliu

Cyclopoids (Crustacea Copepoda) in the Danube Delta. Hidrologia 4:
361-373 '63.

KLOCKL, Oscar, ing; PLESA, Cornel

Automatic charging of mill rolls with high alloyed wire
by means of flux shielded arc welding. Metalurgia Rum 15
no.5:367-371 My '63.

PLESA, C.

"(Archannelida); a new cave worm in the fauna of Rumania"

p. 1035 (Comunicarile, Vol. 7, No. 12, Dec. 1957, Bucharest, Rumania)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1,
Jan. 58.

KURJAKOVIC-BOGUNOVIC, Mira, ing.; PLEPELIC, Ruzica

Determination of small quantities of aluminum in steel. Kem ind 11
no.12:700-703 D '62.

1. Institut za metalurgiju, Sisak.

Determination of small amounts ...

Y/002/62/000/012/002/003
D267/D307

(1 + 1) is added. The filtrate is filled up to 100 ml with water. 25 ml is pipetted into a 100 ml volumetric flask, whereupon 20 ml water and 5 ml eriochromcyanine R (1.0 of this substance + 6 ml HNO_3 1.2, stirring, 100 ml water and 0.75 g urea, transfer to 1000 ml volumetric flask and fill up with water) is added, and the solution neutralized with 2N NaOH (plus one drop). The red color changes through yellow to blue-violet. If this point is attained in the course of neutralization (stirring!), CH_3COOH (0.2 N) is added till the color changes from yellow to purple (plus 10 drops). Then 10 ml of buffer (275 g ammonium acetate, 110 sodium acetate, 6 ml glacial CH_3COOH in 1000 ml, later diluted to pH 6) is added, the flask filled up, and photometering (ELKO II photometer) is carried out after 15 min. Any Al present as Al_2O_3 (residue on the first filter) is treated with H_2SO_4 and HF and the resulting solution is added to the main filtrate. The extinction graph yields a straight line between 0.01 and 0.06% Al. There are 2 figures.

ASSOCIATION: Institut za metalurgiju, Sisak (Institute of Metallurgy, Sisak)

Card 2/2

Y/002/62/000/012/002/003
D267/D307

AUTHORS: Kurjaković-Bogunović, Mira, and Plepelić, Ruzica
TITLE: Determination of small amounts of aluminum in steel
PERIODICAL: Kemija u industriji, no. 12, 1962, 700-703

TEXT: Various methods thus far used are reviewed, but none of them is recommended by the authors, not even the most recent method of Hill (Analytical chemistry, v. 29, 1957). According to the method developed, 0.2 g of steel is dissolved in 7 ml of (1 + 9) H_2SO_4 . The filtered solution is electrolyzed in an electrolyzer with a Hg cathode at 40 - 50°C and 4 A for 45 min (90 min in case of Cr steel). The electrolyte is treated with 5 ml of water freshly saturated with H_2S and boiled. After filtration and thorough washing the filtrate is concentrated to 10 ml and transferred to a Pt vessel containing 5 ml H_2O_2 (3%) and 5 ml NaOH (300 g in 1000 ml), and thoroughly boiled. After some time the liquid is filtered into another Pt vessel, the filter is well washed, and 4 - 5 ml HCl

Card 1/2

MODESTOVA, Tat'yana Alekseyevna; VIKHROV, Pavel Georgiyevich;
SHELIKHOV, Nikolay Nikolayevich; BELEN'KIY, I.S.,
retsenzent; PLENYANNIKOV, M.N., red.; VINGGRADOVA,
G.A., tekhn. red.

[Commercial study of materials used in clothing manufacture]
Materialovedenie shveinogo proizvodstva. Izd.4., ispr. i dop.
Moskva, Gizlegprom, 1963. 278 p. (MIRA 16:8)
(Textile fabrics)
(Clothing industry--Equipment and supplies)

SIDNEVA, K.M., kand. tekhn. nauk, nauchnyy sotrudnik; ILIUTSOVA, S.A., inzh.
nauchnyy sotrudnik

Effect of high temperatures in ageing on the properties of acid
and chrome dyes. Tekhn. zh. 84 no. 10: 46-51 Feb. 1964 (DA 17:10)

1. Nauchno-issledovatel'skiy institut, or shvetskiy nauchnyy tsentroy
parasitey.

SIDNEVA, K.M., inzh.; nauchnyy sotrudnik; PLENTSOVA, S.I., inzh., nauchnyy
sotrudnik; BOYKO-RODZEV, B.A.P., inzh., nauchnyy sotrudnik.

Effect of the pH of the dye bath on the mechanical properties of
dyed wool. Tekst. prom. 24 no.4:58-61 Ap '64.

1. Nauchno-issledovatel'skiy institut organicheskikh polimerov
i krasiteley.

SIDNEVA, K.M., kand. tekhn. nauk nauchnyy sotrudnik,; YREMINA. O.I.,
inzh., nauchnyy sotrudnik; BOYNO-RODZEVICH, V.P., inzh., nauchnyy
sotrudnik; PLENTSOVA, S.A., inzh., nauchnyy sotrudnik

Use of new types of dyes for wool dyeing. Tekst. prom. 23
no.10:18-21 0 '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut organicheskikh poluproduktov
i krasiteley (NIOPiK).

PLENTCOV, G.I., Cand Tech Sci -- (diss) "Effect of graphite structure on the resistance to wear of gray iron." Mos, 1956, 16 pp with drawings (Min of Higher Education USSR. Mos Automobiles Inst. Chair of "Machine and Technology of Foundry Production") (KL, 28-59, 128)

BUSHE, N.A., kand.tekhn.nauk; PLENTSOV, G.I., kand.tekhn.nauk.; RODEAYEVSKAYA,
Yu.A., kand.tekhn.nauk; PAVLOVA, R.G., inzh.

Increase in the wear resistance of the contact wire. Trudy TSNII
MPS no.233:5-28 '62. (MIRA 15:9)
(Electric railroads--Wires and wiring)

LAKEDEMONSKIY, A.V., kand.tekhn.nauk; PLENTSOV, G.I., kand.tekhn.nauk;
SHERMAN, A.D.; ABRAMENKO, Yu.Ye.

Characterization of the wear of cylinders of motor-vehicle engines.
Avl.prom. 31 no.4:14-17 Ap '65. (NIPS 15:5)

1. Moskovskiy avtozavod imeni Ikhacheva.

PLETNER, YU. V.

Pel's, V. V.

Textbooks on experiments in chemistry for teachers colleges (Technique and methodology of experiments in the secondary school." V. V. Pel'd. Reviewed by YU. V. Pletner. Khim. v. shkole, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Unclassified.

O.D.P./N.F.I.A

807/2075

PHASE I BOOK EXPLORATION

11(4)

Atsmdiya smak SSSR. Mambrikaly filial, Ufa
Ehilya serevraicheskikh soyuzimov, soderzhashchikh v nas'ychkh i
kharakterakh [sterily III namchovy assil] (Chemistry of Sulphur
Organic Compounds Contained in Petroleum and Petroleum Products) (papers of the
Third Scientific Session) Moscow, Izd-vo AN SSSR, 1959. 376 p.
2,000 copies printed. Errata slip inserted.

Editorial Board: R.D. Cholentary (Resp. Ed.) Doctor of Chemical Sciences;
G.B. Gal'pary, Doctor of Chemical Sciences; Ya. E. Chertkov, Doctor of Technical
Sciences; of Chemical Sciences; M. of Publishing House: I.I. Kravchik
Tech. Ed.: T.P. Polenova.

PREFACE: This book is intended for chemists, chemical engineers, and technicians
specializing in the chemistry of petroleum.
CONTENTS: The book is a collection of papers presented at the Third Scientific
Session on the Chemistry of Organic Sulphur- and Nitrogen Compounds Contained
in Petroleum and Petroleum Products. The scientific session was held in Ufa,
June 1-8, 1957. The book consists of six sections: 1) Synthetic, charac-
terization, and analysis of organic sulfur compounds; 2) Separated petroleum
products; 3) Transformation of organic sulfur compounds by thermal catalysis;
4) Conative properties of and tar formation; 5) Corrosive properties of sulfur
and petroleum products; 6) Physiological properties of organic sulfur compounds and hydrogen
sulfide; 6) Physiological properties of organic sulfur compounds. No personaliti-
ties are mentioned. There are 115 references, of which 179 are Soviet,
118 English, 5 French, 12 German, and 1 Czech.

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Zabharochin, L.D., S.M. Vol'fson. Corrosive Properties of Sulphur-
containing Petroleum 269
Berguly, I. Ye., G.Y. Platun, Ye. V. Kolchankina, G.P. Belyayeva,
G. M. G. Corrosive Effect of Pools Derived from Sulphur-
containing Petroleum 276
Chertkov, Ya. E., V.M. Ershov, V.M. Shchagin. Organic Sulphur Compounds in
Pools as Inhibitors in the Corrosion of Copper and Its Alloys 284
Pechkov, N. G., V.M. Gavrjabin. Methods of Controlling the Wear of
Sulphur Content Caused by Use of Diesel Fuels With a High
Sulphur Content 293

Card 5/10

62

PLENSKOVSKIY, Yu. A.

On G.M. Kaialov's article "Economic evaluation of methods of increasing $\cos \varphi$ in industrial plants." Energ. biul. no.5:18-19
My '57. (MLRA 10:6)
(Electric power) (Kaialov, G.M.)

PLENOV, N.N.

Half a century in the use of duodenal sounding. Vrach.delo no.11:
137-139 N '60. (MIRA 13:11)

1. Kafedra terapii (ispolnyayushchiy obyazannosti zaveduyushchego -
dotsent Ye.I.Likhtenshteyn) sanitarno-gigiyenicheskogo fakul'teta
Kiyevskogo meditsinskogo instituta.
(DUODENUM--EXAMINATION)

PLENOV, M.N.

Diagnostic role of cytology of the duodenal contents. Vrach.delo
no:11:1217 N '56. (MLRA 10:3)

1, Kafedra terapii (zaveduyushchiy - professor V.A.El'berg) sanitarno-
gigiyenicheskogo fakul'teta Kiyevskogo meditsinskogo instituta.
(BILE) (DUODENUM)

PLENOV, N.N.
PLENOV, N.N.

Clinical role of bile analysis. Vrach.delo no.11:1191-1195 N '57.
(MIRA 11:2)

1. Kafdra terapii (zav. - prof. V.A.El'berg) sanitarno-gigiyeni-
cheskogo fakul'teta Kiyevskogo meditsinskogo instituta.
(BIL)

PLENOV, H.N., Cand Med Sci -- (diss) "Dissociation of the cellular elements of ^{the} bile and its diagnostic role." Kiev, 1959, 14 pp (Kiev Order of Labor Red Banner Med Inst in Academician A.A. Bogomolets) 200 copies (EL, 33-99, 121)

PLENNIK, R.Ya.

Introduction of the alfalfa *Medicago tianschanica* Vass. in Novosibirsk. *Biul.Glav.bot.sada* no.44:82-87 '61. (MIRA 15:2)

1. Tsentral'nyy sibirskiy botanicheskiy sad Sibirskogo otdeleniya AN SSSR, Novosibirsk.
(Novosibirsk--Alfalfa)

PLENNIK, R.Ya.

Formation of seeds and fruit in Bien Shan alfalfa. Izv.Sib.otd.
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1. Botanicheskiy sad Sibirskogo otdeleniya AN SSSR.
(Alfalfa)

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prof., otv. red.; GREBENNIKOVA, M.M., red.

[Outlook for the introduction of some forage plants into
cultivation] Perspektivy vvedeniia v kul'turu nekotorykh
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PLENNIK, R.Ya.

Introducing knotweed as a new silage plant. Trudy TSSsS no. 41
69-72 '60. (MIRA 15:4)

(Knotweed) (Easilage)

PLENNIK, Razita Yakovlevna; SOBOLEVSKAYA, K.A., doktor biol. nauk,
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[Outlook for introduction of some forage plants into
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with their introduction. Izv. Glav. bot. sada no.50:82-87 '63.
(MIRA 17:1)

1. Tsentral'nyy sibirskiy botanicheskiy sad Sibirskogo otdeleniya
AN SSSR, Novosibirsk.

PLENNIK, R.Ya.

Development and viability of hairy vetch seeds in Novosibirsk
Province. Trudy TSSBS no.5:61-75 '61. (MIRA 15:3)
(Novosibirsk Province--Vetch)

PLENNIK, R.Ya.

Characteristics of the formation and germination of the seeds of
knotweed *Polygonum divaricatum* L. Trudy TSSBS no.5:37-47 '61.
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(Knotweed) (Germination)

PLENNIK, R.Ya.

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(L.) Nevski in Novosibirsk Province. Trudy TSSBS no.4:31-38
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(Novosibirsk Province--Clinelymus)

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of the New Fodder Plant *Roegneria Fibrosa* (Schrenk) Nevski."
*(Dissertations For Degrees In Science and Engineering
Defended at USSR Higher Educational Institutions)(30)
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* For the Degree of Candidate in Biological Sciences.

PLENNIK, R. Ya.

Dynamics of the accumulation and localization of essential oils
in the Moldavian dragonhead (*Dracocephalum moldavica* L.). Trudy Bot.
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PLENNIK, R.Ya.

Ontogenetic development and biology of germination of the carpopis
of *Roegneria fibrosa* (Schrenk) Nevski. Trudy Bot. sada Zap.-Sib. fil.
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PLENKOVIC, Zlatko, dipl. inž. (Zagreb)

Loading capacity of mercury-vapor rectifier valves.
Elektr vest 30 no. 10/12:262-268 '62/'63.

1. Electrotechnical Institute of the Rade Koncar
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128-130 '64.

PLENKOV, V.G.

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DAVIDSON, A.M.; PLENKINA, V.K.

Soldering cutting tools with high-frequency currents. Mashino-
stroitel' no.5:41 My '62. (MIRA 15:5)
(Electric welding)

LABUTIN, Vadim Konstantinovich; PLENKIN, Yu.N., red.; ZHITNIKOVA, O.S.,
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[Radio repairman's manual] Kniga radiomastera. Izd.2., perer.
i dop. Moskva, Gosenergoizdat, 1962. 228 p. (Massovaia radio-
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(Radio--Repairing) (Radio--Handbooks, manuals, etc.)

PLENKIN

YENYUTIN, Vyacheslav Vyacheslavovich; NIKULIN, Stanislav Mikhaylovich;
PLENKIN, Yu.N. redaktor; VORONIN, K.P., tekhnicheskiy redaktor

[Trigger devices] Spuskovye ustroistva. Moskva, Gos.energ.izd-vo,
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(Radio--Apparatus and supplies)

ZHERIBTSOV, Ivan Petrovich; PLENKIN, Yu.N., red.; LARIONOV, G.Ye.,
tekhn.red.

[Fundamentals of electronics] Osnovy elektroniki. Moskva,
Gos.energ.izd-vo, 1960. 670 p. (Massovaia radiobiblioteka.
Uchebnaia seriia, no.380). (MIRA 13:12)
(Electronics)

Transistorized Amateur Receiving Sets

423

Appendices:

1. Junction-type germanium triodes for voltage amplification 38
2. Junction-type germanium triodes for power amplification 39

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6-30-58

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PLENKIN, Y. N.

PHASE I BOOK EXPLOITATION

423

Yakovlev, Valeriy Vladimirovich

Iyubitel'skiye priyemniki na poluprovodnikovyykh triodakh (Transistorized Amateur Receiving Sets) Moscow, Gosenergoizdat, 1957. 39 p. (Series: Massovaya radiobiblioteka, vyp. 275) 50,000 copies printed.

Ed.: Plenkin, Yu. N.; Tech. Ed.: Medvedev, L. M.; Editorial Board of Series: Berg, A. I., Dzhigit, I. S., Kulikovskiy, A. A., Smirnov, A. D., Tarasov, F. I., Chechik, P. O., Shamshur, V. I.

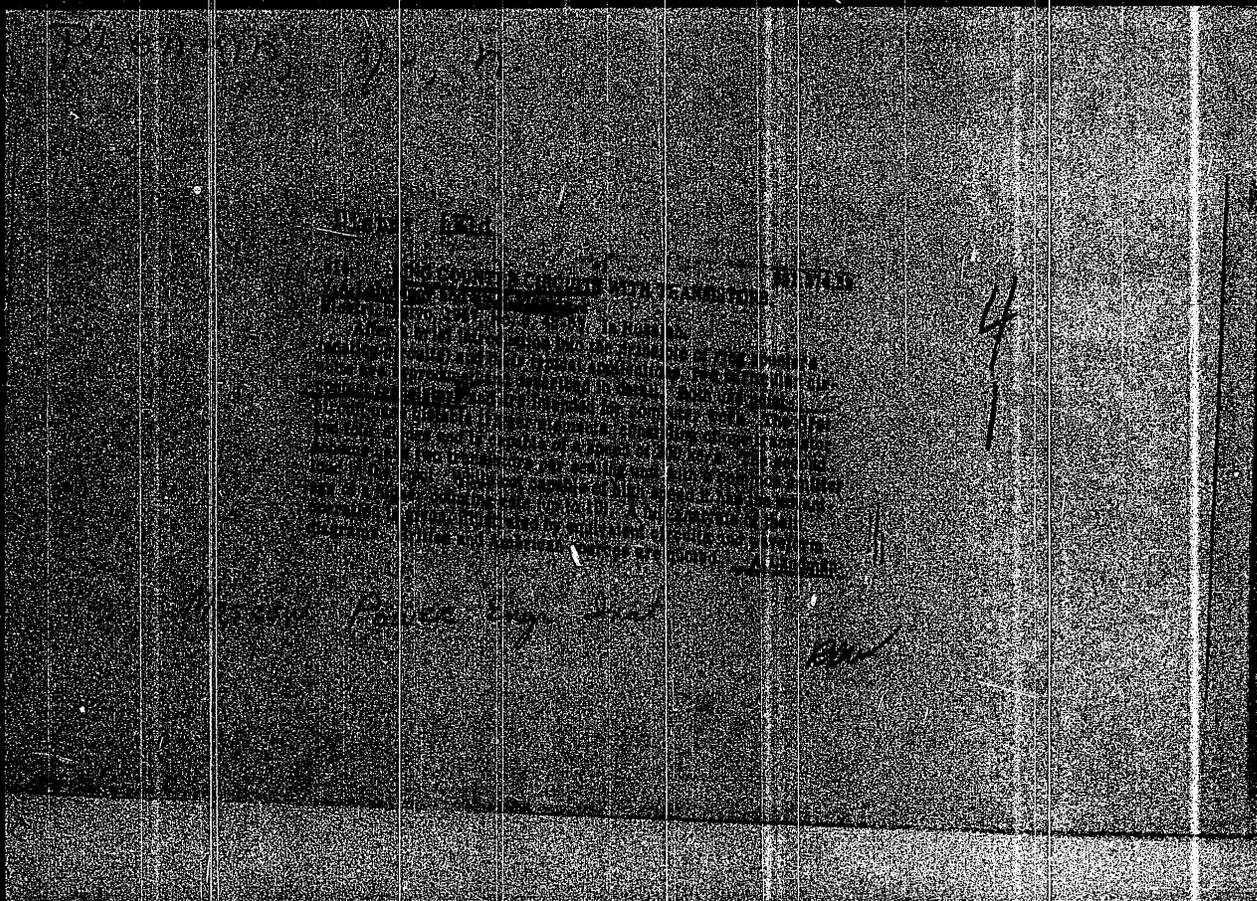
PURPOSE: The booklet is intended for experienced radio amateurs.

COVERAGE: The booklet examines the special features of receivers using transistors and contains suggestions as to their construction. It also describes a home-made straight amplification receiver and a superheterodyne receiver using transistors.

Card 1/3

BURLYAND, V.A.; YENYUTIN, V.V.; PLENKIN, Yu.N., red.; BORUNOV,
N.I., tekhn. red.

[Amateur radio equipment; a descriptive handbook] Radio-
liubitel'skie konstruktsii; ukazatel' opisani. Izd.3.,
polnost'iu perer. Moskva, Gosenergoizdat, (Massovaia radio-
biblioteka, no.465) (MIRA 16:6)
(Radio--Equipment and supplies)



PLENKIN, Yu. N.

YAKOVLEV, Valeriy Vladimirovich; BERG, A.I., redaktor; DZHIGIT, I.S., redaktor; KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor; TARASOV, F.I., redaktor; CHECHIK, P.O., redaktor, SHAMSHUR, V.I., redaktor; PLENKIN, Yu.N., redaktor; MEDVEDEV, L.M., tekhnicheskiy redaktor.

[Amateurs' receiving sets using transistors] Liubitel'skie priemniki na poluprovodnikovyykh triodakh. Moskva, Gos.energ.izd-vo, 1957. 39 p. (Massovaya radiobiblioteka, no.275) (MIRA 10:11)
(Radio--Receiver and reception) (Transistors)

KONASHINSKIY, Dmitriy Alekseyevich; PLENKIN, Yu.N., red.; BORUNOV,
N.I., tekhn.red.

[Electric frequency filters] Chastotnye elektricheskie
fil'try. Izd.3., perer. Moskva, Gos.energ.izd-vo, 1959.
127 p. (Massovaya radiobiblioteka, no.344) (MIRA 12:12)
(Electric filters)

KRAYZMER, Leonid Pavlovich; PLENKIN, Yu.N., red.; BUL'BYAYEV, N.A.,
tekhn. red.

[Bionics]Bionika. Moskva, Gosenergoizdat, 1962. 70 p.
(Massovaia radiobiblioteka, no.453 p. (MIRA 15:11)
(Cybernetics)

KOSTYKOV, Yuriy Vasil'yevich; PLENKIN, Yu.N., red.; FRIDKIN, L.M.,
tekhn. red.

[Television picture tubes] Priemnye televizionnye trubki. No-
skva, Gosenergoizdat, 1962. 70 p. (Massovaia radiobiblioteka,
no.445) (MIRA 15:10)

(Television--Picture tubes)

ALEKSEYEV, S.M.; BOL'SHOV, V.M.; VITKOV, M.G.; GUKIN, V.I.; IVANOV,
V.M.; MALININ, R.M.; PILTAKYAN, A.M.; PLENKIN, Yu.N.;
SOBOLEVSKIY, A.G.; BURLYAND, V.A., red.; BORUNOV, N.I.,
tekhn. red.

[Handbook for beginning radio amateurs] Spravochnik nach-
nailushchego radioliubitelia. Pod obshchei red. R.M.Malinina.
Izd.2., stereotipnoe. Moskva, Gosenergoizdat, 1963. 623 p.
(Massovaya radiobiblioteka, no.400) (MIRA 16:5)
(Radio--Handbooks, manuals, etc.)
(Radio operators--Handbooks, manuals, etc.)

VEDENEYEV, Georgiy Mikhaylovich; VERSHIN, Viktor Yevgen'yevich;
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[Radio receiver with electronic tuning] Radiopriemnik s
elektronnoi nastroikoi. Moskva, Gosenergoizdat, 1963. 15 p.
(MIRA 16:9)

(Transistor radios)

Ring Counting Circuits Using Semiconductor Triodes 105-6-10/20

lector circuit from 45 to 80 V and a simultaneous modification of the displacement voltage in the emitting circuit from -0.5 to 0 V did not lead to a disturbance of operation. In the second circuit the principle of operation was tested up to a counting coefficient of and including 10. The circuit worked in a reliable manner in the case of a starting impulse frequency up to 30 kHz. Modification of the amplitude of the starting impulses from 10 to 40 V and of the width from 2 to 40 μ sec did not influence the operation of the circuit. The second circuit favorably distinguishes itself from the first one by a smaller number of parts.
(7 illustrations, 3 Slavic references.)

ASSOCIATION Moscow Institute of Power Engineering (Moskovskiy energeticheskiy
PRESENTED BY institut).
SUBMITTED 28.12.1956
AVAILABLE Library of Congress.
Card 2/2

PLENKIN, Yu. N.

105-8-10/20

AUTHOR LABUNTSOV, V. A., Cand. Techn. Sci., PLENKIN, Yu. N., Eng.

TITLE Ring Recounting Circuits Using Semiconductor Triodes.
(Kol'tsevyye pereschetnyye skemy na poluprovodnikovykh triodakh
- Russian)

PERIODICAL Elektrichestvo, 1957, Nr 9, pp 48 - 53 (U.S.S.R.)

ABSTRACT Two systems are described here. Both can be carried out with a sufficiently high recounting coefficient (up to 10 and more), whereby, greater speeds of calculation than in the thyratron can be obtained. Moreover they consume little energy and are of great durability. The point-semiconductor triodes with a static amplification coefficient according to the current flow $\mu > 1$, with higher operating voltage and a considerable limiting frequency are better suitable for use in a pulsing circuit than flat-type triodes. Both circuits were worked out on the basis of telescopic impulse-sterling devices with point-semiconductor triodes, as they are used in calculating-machines. On elaborating the system a method of calculation for the elements of the circuit was chosen and the influence of the circuit parameters on the position of the volt-ampere characteristics of trigger cells was investigated. In this example the determination of the maximum frequency recounting was not required. First a ring recounting circuit, consisting of elementary trigger cells, is investigated; then a circuit with a joint load resistance in the emitter-circuit. The first circuit worked with accuracy in the case of a starting impulse frequency up to 300 kHz. Variations of the feed voltage in the col-

Card 1/2

Ship propulsion...

S/229/62/000/006/001/001
I060/I260

where the energy is produced by the relative movement of one section to another through action of waves. The author concludes that: 1. Despite considerable technical difficulties, the problem can be technically solved. 2. Utilization of wave motion will allow for a considerable economy of fuel increasing therefore the dead weight of a ship at equal displacements. 3. The resulting removal of a part of the energy of the longitudinal rolling will reduce the rolling of the ship. 4. Floating installations can be considered as only auxiliary ones and adopted principally for ships designed for seas where storms are frequent. 5. The speed of a ship in stormy weather will increase as distinct from conventional ships. 6. Division of a ship into articulated sections will eliminate the heavy longitudinal beams reducing the light weight of the ship.

Card 2/2

3/229/62/000/006/001/001
1060/1260

AUTHOR: Plonkin, Yu. A., Engineer
TITLE: Ship propulsion by wave motion
PERIODICAL: Sudostroyeniye, no. 6, 1962, 18-25

TEXT: The author discusses three variants of using wave motion as auxiliary ship propulsion. In the first case two floats are placed in specially built wells between the two hulls of a catamaran, fore and aft of the ship. The vertical component of the waves' movement is imparted to the float which pumps precompressed air into a compressor. The compressed air passes through a special system of valves and air chambers to an air turbine, connected with a generator. The total efficiency coefficient of the installation equals approximately 30-40%. The speed of a ship is limited to 12-13 knots, as at higher speeds, the additional energy produced by the floats will be expended on overcoming their increased proper resistance to water. Another method is that of replacing compressed air by water. In this case a conventional ship is used. The water is transmitted by the float to a pump and from there to a water jet engine. In this case the speed achieved can be much higher. A third and even more efficient method is that of a ship built of a number of articulated sections

Card 1/2

PLENKIN, Yu.A.

Choosing the capacity of power plants of self-propelled suction
dredges. Trudy TSNIIM' 7 no.36:99-106 '61. (MIRA 19:3)

(Dredging machinery)

ZVONKOV, V.V.; ASHIK, V.V., prof.; BAZILEVSKIY, A.N., kand.tekhn.nauk;
PLENKIN, Yu.A., inzh.

Plan for making use of the wave energy for ship propulsion.
Sudostroenie 28 no.6:25-26 Je '62. (MIRA 15:6)

1. Chlen-korrespondent Akademii nauk SSSR (for Zvonkov).
2. Chlen redaktsionnoy kollegii zhurnala "Sudostroyeniye" (for Ashik).
3. Institut gidrologii i gidrotekhniki AN USSR (for Bazilevskiy).
(Ship propulsion) (Waves)

PLENKIN, Yu.A., inzh.

Making use of the wave energy for ship propulsion. Sudostroenie
28 no.6:18-25 Je '62. (MIRA 15:0)
(Ship propulsion) (Waves)

PLENKIN, Yu.A., inzh.

Height of freeboard on sea-going mud scows. Sudostroenie
27 no.9:21-22 S '61. (MIRA 14:11)
(Scows)

PLENKIN, Yu.A., inzh.

Dumping dredge pontoon. Sudostroenie 26 no.8:15-16 Ag '60.

(MIRA 13:10)

(Dredging) (Scows)

PLENKIN, Yu. A., inzh.

Record descent of an aqualunger (from "Schiff und Hafen no. 3,
1962). Sudostroenie 28 no.10:69 0 '62.

(MIRA 16:1)

(Switzerland--Aqualung)

PLENKIN, Yu.A.

Characteristics in the choice of basic elements of seagoing
mud scows. Trudy TSNIIIMF no.45:56-66 '63. (MIRA 16:9)

PLENKIN, Yu.A.

Emergency heeling of mud snows. Trudy ISNTIMP no. 45:67-78
'63. (MIRA 16:9)

PLENKIN, Yu.

Determining the turning diameter of vessels. Mor.i rech.flot 14 no.4:
24-25 Ap '54. (MLRA 7:5)
(Ships)

PLENKIN, Yu.

Nomogram for determining the number of mud boats. Rech. transp. 19
no.4:37-38 Ap '60. (MIRA 14:3)

(Dredging)

PLENKIN, Yu., inzh.

Expanding submarine shipping (news from abroad). Mor. flot. 23
no.3:41-42 Mr '63. (MIRA 16:3)
(Submarine tankers)

PLENKIN, Ye.Ye., inzh.

"Manual on the assembly, operation, maintenance and repair of
the equipment for sawmills and woodworking enterprises" by
P.I.Lapin and others. Reviewed by E.E.Plenkin. Der.prcm. 11
no.5:28-29 My '62. (MIRA 15:5)
(Woodworking machinery) (Lapin, P.I.)
(Kondratovich, N.E.) (IUr'ev, IU.I.) (Antiferova, T.S.)
(Gernet, G.M.)

PLENKIN, F.I. [author]; TIMASHEV, A.K., kandidat ekonomicheskikh nauk [reviewer].

Resources of our country ("Natural resources of the U.S.S.R." F.I.Plenkin.
Reviewed by A.K.Timashev). Nauka i zhizn' 20 no.10:46-47 0 '53.

(Plenkin. F.I.) (Natural resources)

(MLRA 6:10)